

**Claims:**

1. (Currently Amended) A computer-implemented method to trade objects over a network, comprising:

receiving a first order from a user for an object having at least four dimensions associated with said object;

receiving a message to modify said first order while said first order is pending, wherein said message is received from a party associated with the first order;

modifying said first order in accordance with said message;

encoding user-preferences associated with the first order;

searching a computer memory for a second order with an object having said at least four dimensions; and

applying the user-preferences and characteristics of the second order to a quality function that outputs a quality value of the second order to the user; and

matching said first order with said second order in accordance with said quality value search.

2. (Original) The method of claim 1, wherein said first order is a buy order and said second order is a sell order.

3. (Original) The method of claim 1, wherein said first order is a sell order and said second order is a buy order.

4. (Original) The method of claim 1, wherein said object is at least one of a group comprising goods and services.
5. (Original) The method of claim 1, wherein said object is a vehicle.
6. (Original) The method of claim 5, wherein said at least four dimensions for said vehicle comprises at least four dimensions from a group of dimensions comprising manufacturer, model, year, mileage, color, and accessories.
7. (Previously presented) The method of claim 1, further comprising:
  - receiving a message from said party to execute said first order using said second order; and
  - automatically executing said first and second orders in accordance with said message.
- 8.-9. (Cancelled)
10. (Original) The method of claim 1, wherein said first order does not match said second order, further comprising adding said first order to a list of orders.
- 11.-24. (Cancelled)

25. (New) A computer-implemented method to trade objects over a network, comprising:

- receiving parameters for a first order from a user for an object having at least four dimensions, wherein the parameters include at least one range of acceptable values associated with one of the at least four dimensions;
- encoding user-preferences associated with the first order;
- applying the parameters to a search engine in order to identify a plurality of second orders associated with an object having said at least four dimensions;
- applying the user-preferences and characteristics of each of the second orders to a quality function that outputs a quality value corresponding to each of the second orders to the user; and
- matching said first order with one of said second orders in accordance with said quality values.